BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Modified Estimate Cost Rs. 14.80Lakhs

Name of Woradk:-Modified estimate for the Asphalting to cross roads from 2 to 6 cross and drains in Mathru layout in ward no 04

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil invlving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no 138, PWD SR 2014-15)	Cum							
	cross		4	20.00	0.50	0.45	18.00		
	3rd,4th&5th cross		6	30.00	0.50	0.45	40.50		
	6th cross		2	45.00	0.50	0.45	20.25		
			2	245.00	0.50	0.45	110.25		
	15th A cross:-R/Sides		1	45.00	0.50	0.45	10.13		
	&2nd cross		4	20.00	1.50	0.25	30.00		
	3rd,4th&5th cross		6	30.00	1.50	0.25	67.50		
	6th cross		2	45.00	1.50	0.20	27.00		
			2	245.00	1.50	0.25	183.75		
	15th A cross:-R/Sides		1	45.00	1.50	0.20	13.50		
	Earth levelling:-1st &2nd cross		4	20.00	1.20	0.15	14.40		
	3rd,4th&5th cross		6	30.00	1.20	0.20	43.20		
	6th cross		2	45.00	1.20	0.15	16.20		
			2	245.00	1.20	0.20	117.60		
	15th A cross:-R/Sides		1	45.00	1.20	0.15	8.10		
						Total quantity	**720.38**		
				A)Up to125% of quantity			**43.60**	74.80	**3261.28**
								74.84	
				B)Above 125% of quantity			**676.78**	[illegible]	(50652.55)
	Basic Rate	70.00							50623.14
	Area Weightage @ 8%	5.60							
	Sub Total	**75.60**							
	Tender premium(-1.00%)	0.76							
	Grand Total	**74.84**	→ Tender Rate 74.80/Cum						
2	Removing B.S slab of drain and stacking P-25 I.No 5.52 ETRL	sqm							
	6th cross		1	245.00	1.65		404.25		
	15th A cross:-R/Sides		1	45.00	1.65		74.25		
						Total quantity	**478.50**		
				Deduct 30%of Missing slabs qty			143.55		
						Total quantity	**334.95**	**57.74**	**19338.94**
	Basic Rate	54.00							
	Area Weightage @ 8%	4.32							
	Sub Total	**58.32**							
	Tender premium(-1.00%)	0.58							
	Grand Total	**57.74**							
3	Refixing stone slabs of drains and pointing in CM(1:3) ETRL P-25 I.No 5.53	Sqm							
				Vide Item No. 2			334.95		

				Total quantity			334.95	74.84	25069.00
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Sub Total	**75.60**							
	Tender premium(-1.00%)	0.76							
	Grand Total	**74.84**							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete **do 7.5 cms**	sqm							
	P-25 I.No. 5.31.1 SR 2014-15			30% of Missing slabs qty			143.55		
	EIRL			Total quantity			143.55	632.97	90862.33
	Basic Rate	592.00							
	Area Weightage @ 8%	47.36							
	Sub Total	**639.36**							
	Tender premium(-1.00%)	6.39							
	Grand Total	**632.97**							
5	KSRRB 4.1.6Providing and laying in position plain **cement concrete mix 1:2:4** with cement @240kgs,with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted,in foundation,plinth and cills,including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification no 4.1,4.2 **(Page.12 & Item No. 4.6)** 2014-15 SR EIRL	Cum							
	Foundation for flagging course								
	Base concrete		1	45.00	0.25	0.10	1.13		
			1	245.00	0.25	0.10	6.13		
			1	45.00	0.20	0.10	0.90		
			1	245.00	0.20	0.10	4.90		
	Coping concrete		1	45.00	0.20	0.10	0.90		
			1	245.00	0.20	0.10	4.90		
			1	45.00	0.10	0.10	0.45		
			1	245.00	0.10	0.10	2.45		
	Vent concrete		1	45.00	0.50	0.10	2.25		
			1	245.00	0.50	0.10	12.25		
				Total quantity			36.25	5274.36	191195.68
	Basic Rate	4933.00							
	Area Weightage @ 8%	394.64							
	Sub Total	**5327.64**							
	Tender premium(-1.00%)	53.28							
	Grand Total	**5274.36**							

6	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P25/5.27) SR 2014-15	Sqm							
	E/R/L 15th A cross:-R/Sides		1	45.00		0.20	9.00		
			1	245.00		0.20	49.00		
						Total quantity	58.00	983.66	57052.51
	Basic Rate	920.00							
	Area Weightage @ 8%	73.60							
	Sub Total	**993.60**							
	Tender premium(-1.00%)	9.94							
	Grand Total	**983.66**							
7	KSRB 5-15: Providing and constructing Non load bearing wall with cement concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x10x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P25/5.28) SR 2014-15	Sqm							
	E/R/L 15th A cross:-R/Sides		1	45.00		0.20	9.00		
	P-25		1	245.00		0.20	49.00		
						Total quantity	58.00	717.43	41611.13
	Basic Rate	671.00							
	Area Weightage @ 8%	53.68							
	Sub Total	**724.68**							
	Tender premium(-1.00%)	7.25							
	Grand Total	**717.43**							
8	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm							
	E/R/L 15th A cross:-R/Sides		1	45.00	0.90		40.50		
			1	245.00	0.90		220.50		
	Existing masanry drain top		1	50.00	1.50		75.00		
						Total quantity	336.00	1232.55	414136.80
	Basic Rate	1245.00							
	Tender premium(-1.00%)	12.45							
		1232.55							

9	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification: 406 (PWD SR 2014-15 P.N.154 It 20.18)	Cum							
	1st cross to 2nd cross		4	20.00	1.20	0.30	28.80		
	3rd,4th&5th cross		6	30.00	1.20	0.30	64.80		
	6th cross		2	45.00	1.20	0.25	27.00		
						Total quantity	**120.60**		
						A)Up to125% of quantity	**67.35**	**1424.17**	**95917.85**
						B)Above 125% of quantity	**53.25**	**1424.17**	**75837.29**
	Basic Rate	1332.00							
	Area Weightage @ 8%	106.56							
	Sub Total	**1438.56**							
	Tender premium(-1.00%)	14.39							
	Grand Total	**1424.17**	= Tender rate Rs 1424.17/cum						
10	KSRRB M500-6,Providing and applying primer coat with S.S.bitumen emulsion on prepared surface of granular base such as WBM,WMM including cleaning of road surfase and spraying primer at the rate of .60kg/Sqm using mechanical means complete as per specifications. MORTH SpecificationsNo502 (ITEMNO21.6,Page no157,PWD SR 2014-15)	Sqm							
	1st &2nd cross		2	20.00	6.20		248.00		
	3rd,4th&5th cross		3	30.00	6.20		558.00		
	6th cross		1	45.00	6.20		279.00		
						Total quantity	**1085.00**	**34.84**	**37801.40**
11	KSRRB M500-18.Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading,premixed with bituminous binder and filler, transporting the hot mix to work site.laying with a paver finisher to the required grade,levell and alignment, rollingwithsmoothwheeled,vibratoryandtandemrollers to achievethe desired compactionasperMORTHSpecificationclauseno508completeinallrespectscompleteasperspecifications.using100120THcapacity H.M.P with sensor paver gradingI(35-40mm) with 4.5% CRMB55grade(Itemno21.21.1,Pageno16 D 2014-15)	Sqm							

	1st &2nd cross		2	20.00	6.20	0.030	7.44		
	3rd,4th&5th cross		3	30.00	6.20	0.030	16.74		
	6th cross		1	45.00	6.20	0.030	8.37		
					Total quantity		32.55		
		A)Up to125% of quantity					30.94	10093.20	312258.38
		B)Above 125% of quantity					1.61	10093.25	16275.36
	Basic Rate	9440.00						10093.20	16250.05
	Area Weightage @ 8%	755.20							
	Sub Total	**10195.20**							
	Tender premium(-1.00%)	101.95							
	Grand Total	**10093.25**	>	Tender Rate is			10093.20/Cum		
12	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/sand/kanker/Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no130,PWD SR 2014-15)	Cum							
				Vide Item No. 1			720.38		
		A)Up to125% of quantity					135.85	67.35	9149.50
		B)Above 125% of quantity					584.53	67.36	39373.37
	Basic Rate	63.00						67.35	39368.09
	Area Weightage @ 8%	5.04							
	Sub Total	**68.04**							
	Tender premium(-1.00%)	0.68							
	Grand Total	**67.36**	>	Tender rate is			67.35/Cum		266.63
13	Miscellaneous charges	L/S							206.65
								Total RS	1480000.00
	(Rupees fourteen lakhs eighty thousand only)								

Certificate

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under BBMP limits.

Assistant Engineer
Ward no: 04

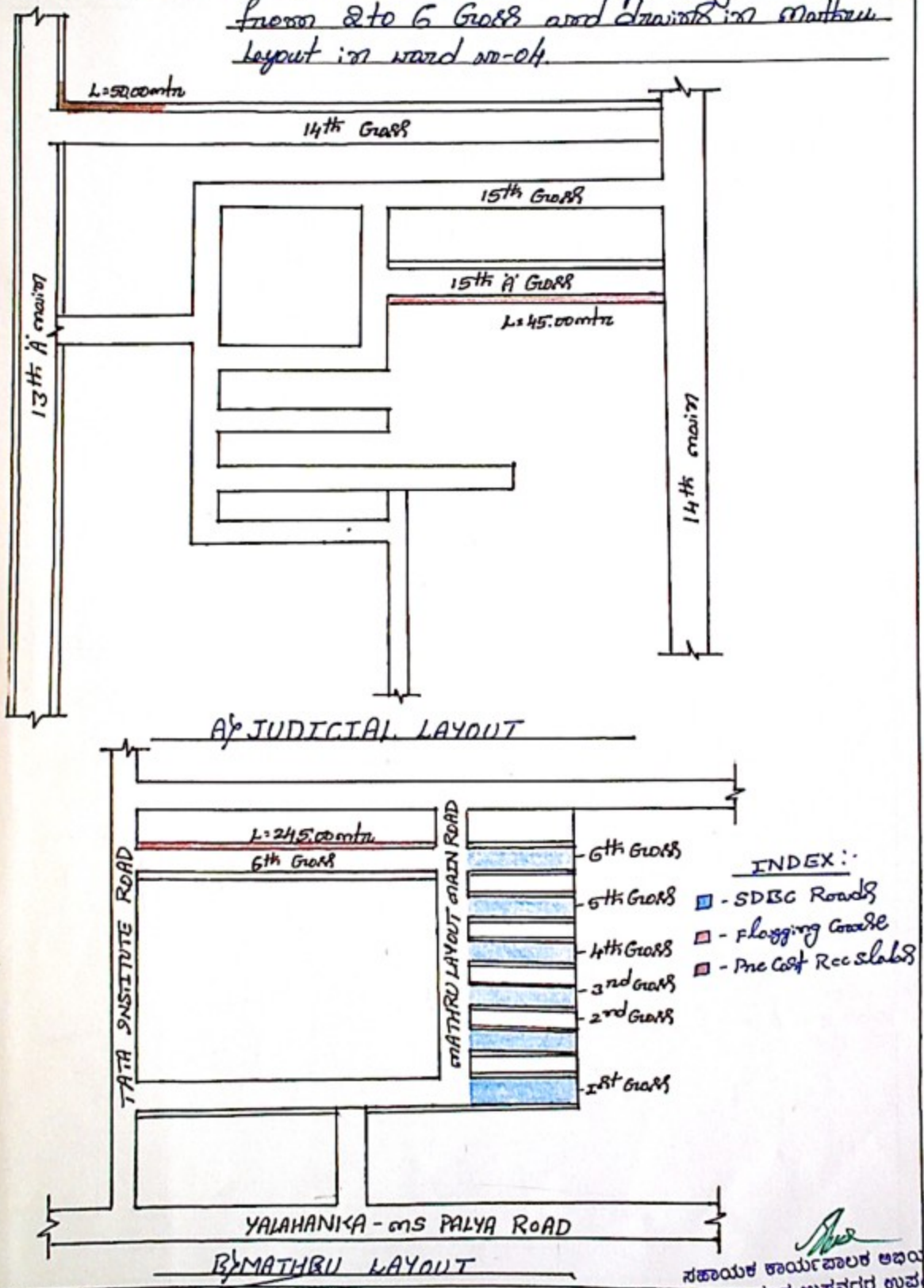
Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division

"modified Estimate approved"

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara
Bangalore 92

Name of work: modified estimate for the asphalting to Cross roads from 2 to 6 Cross and drainage in Mathru Layout in ward no-04.



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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

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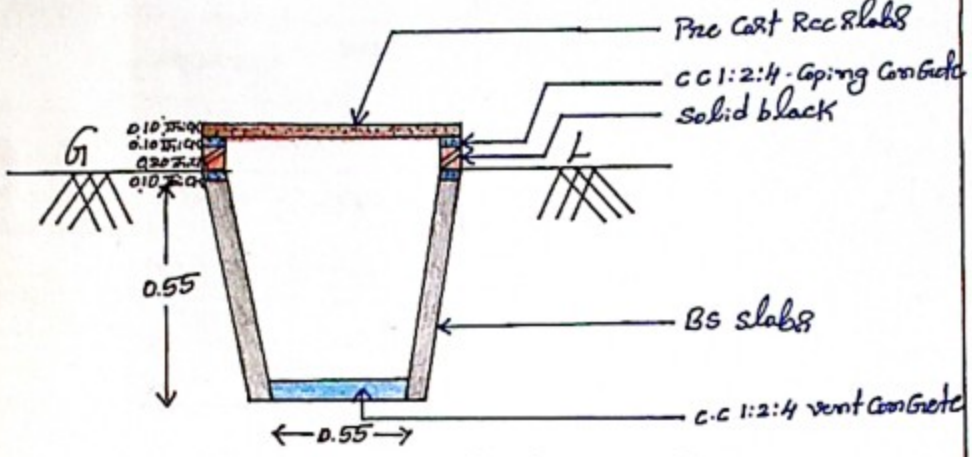
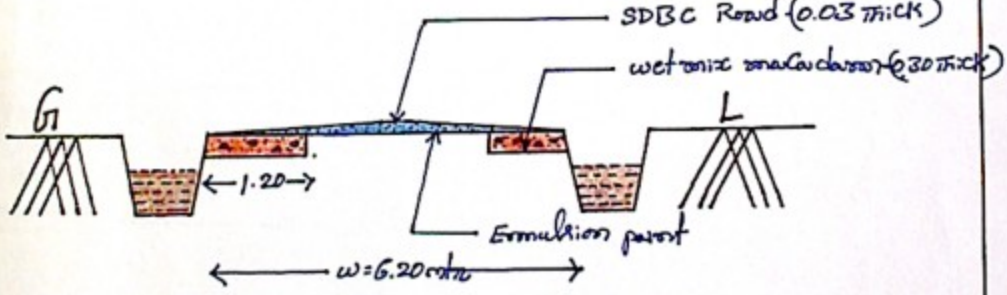
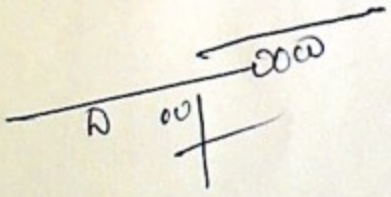


CROSS SECTION OF FLAGGING COARSE:-



CROSS SECTION OF SDBC ROAD



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